PAMS Technical Documentation
NSW-4 Series Transceivers

General Information

© Nokia Mobile Phones Ltd.

AMENDMENT RECORD SHEET

Amendment Number	Date	Inserted By	Comments
	08/00	OJuntune	Issue1

© Nokia Mobile Phones Ltd.

CONTENTS

Page No

Product Selection 4

Desktop Option 5

Modules and Accessories 6

Modules 6

Interconnection Diagram 6

Accessories 7

Mobile Accessories 7

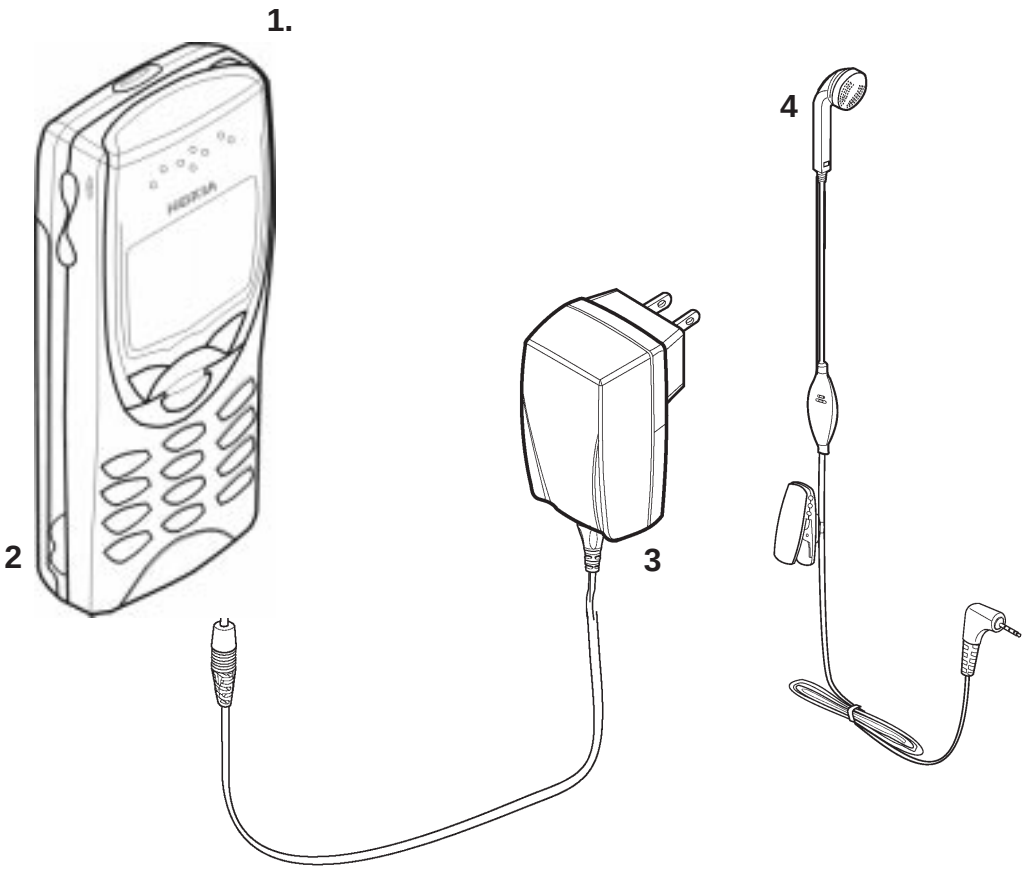
Technical Specifications 8

© Nokia Mobile Phones Ltd.

Product Selection

The Nokia NSW–4NX is a dual band/triple mode radio transceiver unit for the US TDMA 800/1900MHz networks. The transceiver is fully based on 3V technology.

The basic handportable package offers the user a standard battery pack and travel charger for charging from an electrical outlet. Accessories and other options are listed in this chapter also.

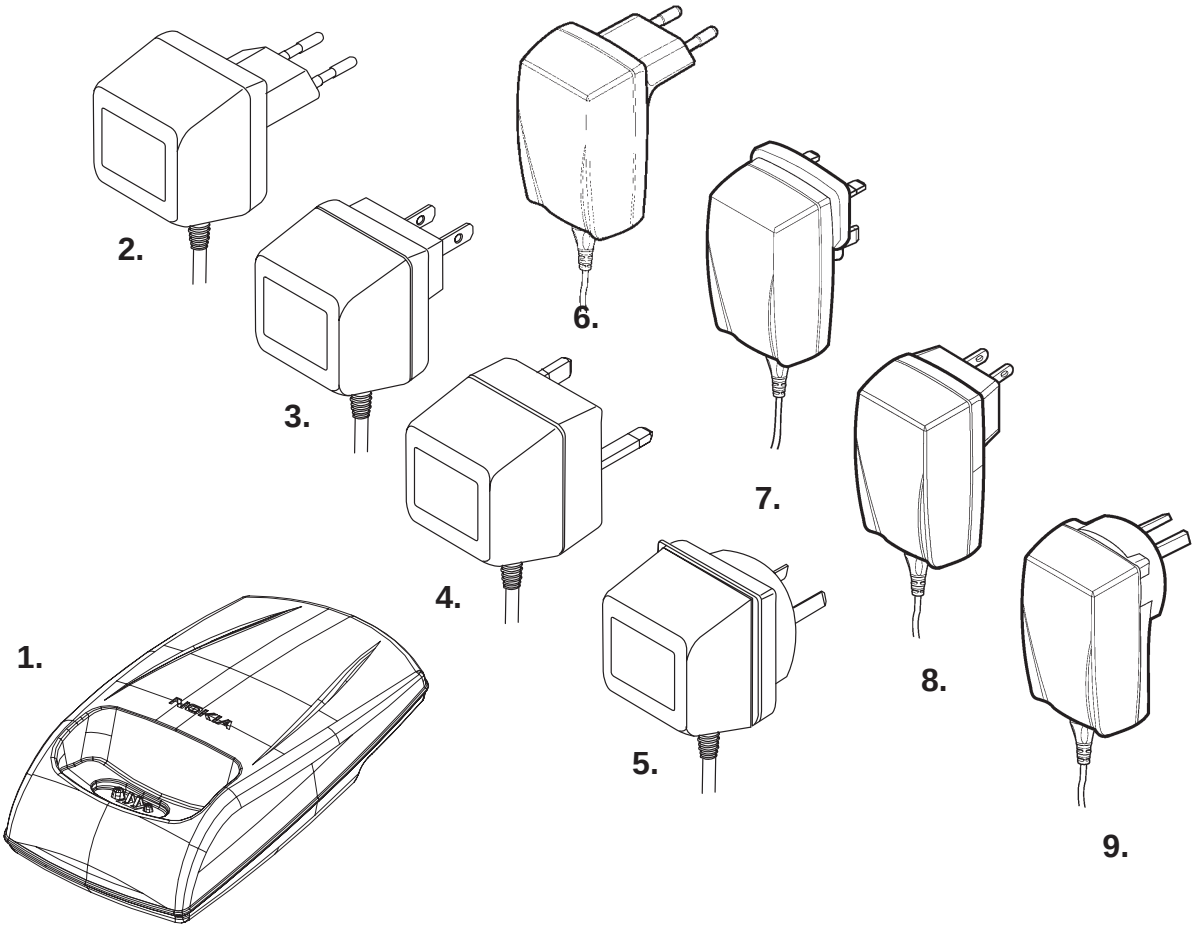


Item	Name:	Type code:	Material code:
1.	Transceiver	See variant Appendices	
2.	Standard battery (Li–Ion 920 mAh)	BLB–3	0670331
3.	AC Performance Travel Charger	ACP–8U	0675196
4.	Remote Headset	HDC–5	0694059

© Nokia Mobile Phones Ltd.

Desktop Option

The desktop option allows the user to charge the handportable and spare battery from an electrical outlet.



Item	Name:	Type code:	Material code:
1.	Desktop stand	DCV–11	0675238
2.	AC Travel Charger (Euro plug) 207-253 Vac	ACP-7E	0675144
3.	AC Travel Charger (US plug) 108-132 Vac	ACP-7U	0675143
	AC Travel Charger (US plug) 198-242 Vac	ACP-7C	0675158
4.	AC Travel Charger (UK plug) 207-253 Vac	ACP-7X	0675145
	AC Travel Charger (UK plug) 180-220 Vac	ACP-7H	0675146
5.	AC Travel Charger (Australia) 216-264 Vac	ACP-7A	0675148
6.	Performance Travel Charger Euro plug 90-264 Vac	ACP-8E	0675195
	Performance Travel Charger Korea plug 90-264 Vac	ACP-8K	0675199
7.	Performance Travel Charger UK plug 90-264 Vac	ACP-8X	0675197
8.	Performance Travel Charger US plug 90-264 Vac	ACP-8U	0675196
	Performance Travel Charger China plug 90-264 Vac	ACP-8C	0675211
9.	Performance Travel Charger Australia plug 90-264 Vac	ACP-8A	0675214

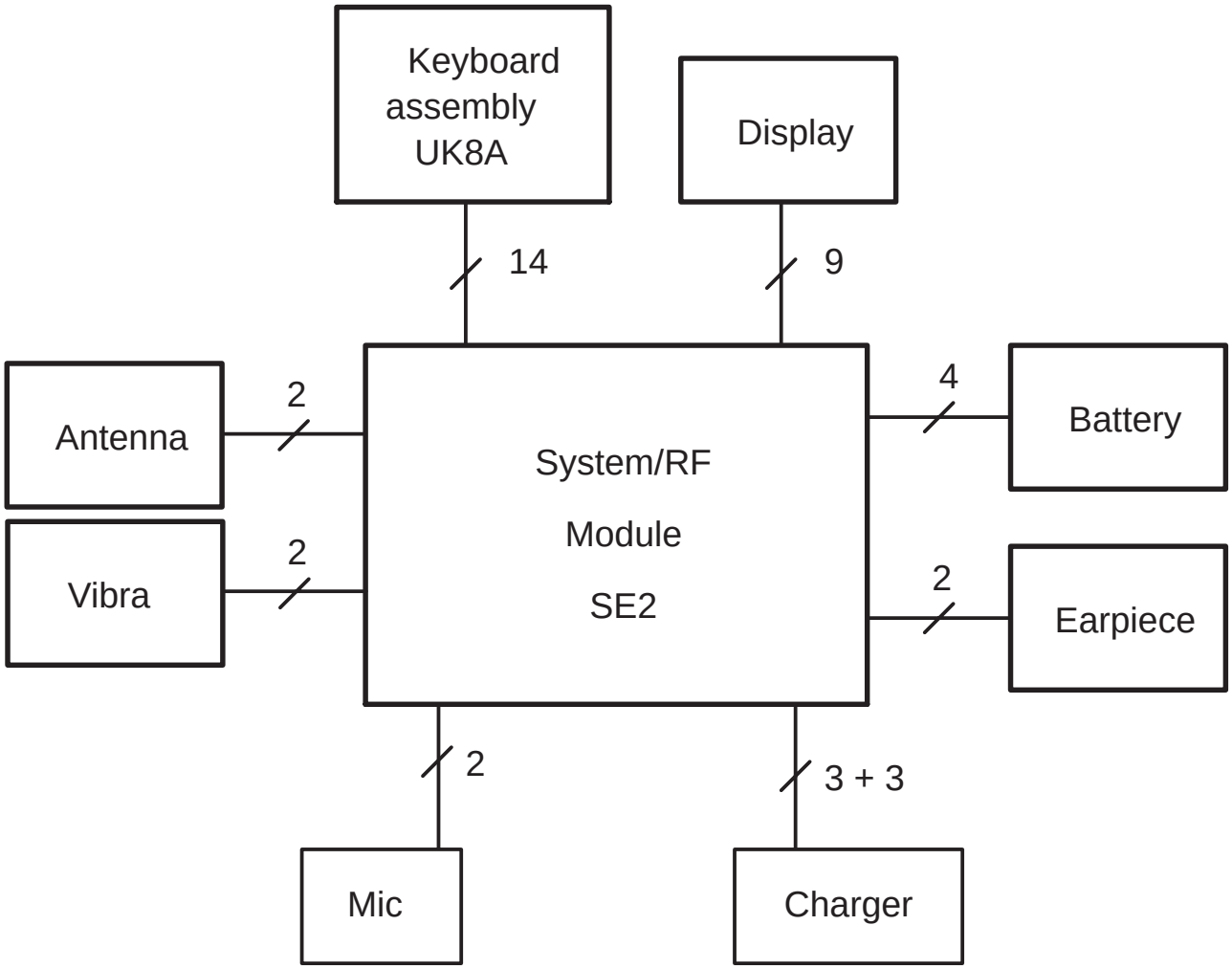
© Nokia Mobile Phones Ltd.

Modules and Accessories

Modules

Name of module	Type des.	Material code	Notes
Basic Transceiver, Red	NSW–4	0503306	
System/RF module	SE2L	0201494	
SW NSW–4 Basic Flash Mod		0241129	
Mechanics Assembly Parts	MNSW4	0262058	

Interconnection Diagram



© Nokia Mobile Phones Ltd.

Accessories

Unit/type:	Product code:
Standard Battery BLB–3 920 mAh Li–Ion	0670331
AC Travel Charger ACP–7A (AUS) 216–264 Vac	0675148
AC Travel Charger ACP–7C (US) 198–242 Vac	0675158
AC Travel Charger ACP–7E (EUR) 207–253 Vac	0675144
AC Travel Charger ACP–7H (UK) 180–220 Vac	0675146
AC Travel Charger ACP–7U (US) 108–132 Vac	0675143
AC Travel Charger ACP–7X (UK) 207–253 Vac	0675145
Performance Travel Charger ACP–8A (AUS) 90–264 Vac	0675214
Performance Travel Charger ACP–8C (US) 90–264 Vac	0675211
Performance Travel Charger ACP–8E (EUR) 90–264 Vac	0675195
Performance Travel Charger ACP–8K (KOR) 90–264 Vac	0675199
Performance Travel Charger ACP–8U (US) 90–264 Vac	0675196
Performance Travel Charger ACP–8X (UK) 90–264 Vac	0675197
Cigarette Lighter Charger LCH–9	0675120
Desktop Stand DCV–11	0675238
Headset HDC–5	0604059
Loopset LPS–3	0630244

Note : Repairs not supported at this time or in the foreseable future

Mobile Accessories

Mobile Holder MBT–5	0620030
Handsfree Unit PPH–3	0675208
Car Holder/Belt Clip SKB-3	0720221
Headset HDC–5	0694059

© Nokia Mobile Phones Ltd.

Technical Specifications

Parameter	Unit
Cellular system	TDMA/NADC 800/1900
RX frequency band	869.04 ... 893.97 MHz 1930.05 ... 1989.99 MHz
TX frequency band	824.04 ... 848.97 MHz 1850.01 ... 1909.95 MHz
Output power	400 to 500 mW
Duplex spacing	45 MHz / 80.04 MHz Cellular/PCS
Number of RF channels	831 / 1997 Cellular/PCS
Channel spacing	30 kHz
Number of TX power levels **	2 to 7 in analog, 2 to 10 in digital modes **
Frequency control	VCTCXO; AFC used in analog and digital modes
Receiver type	Double conversion, common IF frequencies in all modes.
Modulator type	I/Q modulation in digital modes, FM modulation in analog modes.

Parameter	Mode	Value and unit
Talk time	Analog	1 h – 1h 30min
Talk time	Digital	2h 30min – 3h 30min
Standby time	Analog	30h – 40h
Standby time	Digital	120h – 150h
Dimensions		105x46x21 mm
Weight with BMP–3 battery		98.5g

© Nokia Mobile Phones Ltd.